*Teacher Participant Posting*

Infusing Computer Science in Math and Science across Three Communities

Background:

***Infusing Computer Science in Math and Science across Three Communities***is a three-year project ***PENDING FUNDING*** from the National Science Foundation’s Mathematics and Science Partnership Program. The goal of the project is to assist teachers in introducing computer science while also teaching schools’ mathematics and science curricula.

Twelve middle school teachers (4 from each partner school district) from Everett, Malden, and Medford are being recruited to participate in the project.

**Teachers** will receive 66 hours of professional development from August 2013 – May 2014 by participating in a graduate course and follow-up activities conducted in the partner districts. Professional development includes:   
(1) 48 hours of coursework delivered by Computer Science department faculty from the University of Massachusetts Lowell (see attached syllabus); and   
(2) participation in 18 hours of supplemental activities designed to assist participating teachers in the development of an inquiry-based classroom lesson based on the course content.

Participant Qualifications/Requirements:

Participating teachers must:

• attend 48 hours of classroom coursework led by the University of Massachusetts Lowell faculty (August 5–8 and 12–16, 2013 — eight total days) in one of the partner school locations TBD

• complete all course requirements including readings, homework, class participation, tests and other assignments

• participate in 18 hours of supplemental workshops, designed to assist teachers in incorporating the computer science content and inquiry-based learning experiences for students, facilitated by the district-based Teacher Learning Center Directors and UMass Lowell project staff

* attend a district-based afterschool meeting/orientation in May 2013
* attend a district-based callback meeting to share completed computer-infused lessons and implementation experiences
* participate in supplemental workshops in Fall 2013 conducted in one of the partner school locations TBD

• use an electronic communication tool (Wikispaces) to collaborate with other project participants

• develop inquiry-based student lesson(s) based on the *Infusing Computer Science* course content

• implement the student lesson with a class, make lesson revisions as necessary

• participate in all required evaluation activities (surveys, classroom observations, pre/post content assessments)

Tuition

• **$50 registration deposit** upon application to reserve your space in the cohort

• **additional $245** prior to the start of the graduate course, will be paid by each teacher participant to UMass Lowell interested in receiving 3 graduate credits

Remuneration:

Each participating teacher will receive:

•  **$2,310 stipend** will be paid to each participant upon the successful completion of all project activities (coursework, supplemental activities, evaluation components, lesson development and implementation) with **no** course credit

•  **$1,130 stipend** will be paid to each participant upon the successful completion of all project activities (coursework, supplemental activities, evaluation components, lesson development and implementation) with **3 graduate** course credits

• **PDPs** (to be determined by the school/district)

For additional information regarding the *Infusing Computer Science in Math and Science* project, please contact Kathy Grace ([kgrace@medford.k12.ma.us](mailto:kgrace@medford.k12.ma.us)), Medford TRITEC TLC Director, or Molly Laden (mladen@tritec-inc.org), Executive Director of TRITEC, Inc. at 617-381-7426.

Application letters must be submitted by **May 20, 2013** via email to mladen@tritec-inc.org.